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PTO/SB/21 (09-04)

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**TRANSMITTAL
FORM**

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Total Number of Pages in This Submission

Application Number	10/726,737
Filing Date	9 April 2003
First Named Inventor	Igor K. Kotliar
Art Unit	3752
Examiner Name	Steven J. Ganey
Attorney Docket Number	IKK-19

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Enclosed are copies of prior art documents listed in the IDS		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	IGOR K. KOTLIAR		
Date	12/20/2005	Reg. No.	

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Substitute Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Sheet	1	of	6	Application Number	10/726,737
				Filing Date	9 April 2003
				First Named Inventor	Igor K. Kotliar
				Art Unit	3752
				Examiner Name	Graney, Steven
				Attorney Docket Number	IKK-19

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
	A1	4,896,514	Jan. 30, 1990	Sugiyama et al.
	A2	5,063,753	Nov. 12, 1991	Woodruff
	A3	5,388,413	Feb. 14, 1995	Major et al.
	A4	5,472,480	Dec. 5, 1995	Barbe
	A5	5,649,995	Jul. 22, 1997	Gast, Jr.
	A6	5,799,495	Sept. 1, 1998	Gast Jr., et al.
	A7	5,799,652	Sept. 1998	Kotiar
	A8	5,921,091	Jul. 13, 1999	Foss et al.
	A9	6,012,533	Jan. 11, 2000	Cramer
	A10	3,948,626	Apr. 6, 1976	Bragg
	A11	4,378,920	Apr. 5, 1983	Runnels et al.
	A12	4,556,180	Dec. 3, 1985	Manatt
	A13	4,681,602	Jul. 21, 1987	Glenn et al.
	A14	5,273,344	Dec. 28, 1993	Volkwein, et al.
	A15	5,308,382	May 3, 1994	Prasad
	A16	5,730,780	Mar. 24, 1998	Booth, III
	A17	6,547,188	Apr. 15, 2003	Schmutz, et al.
	A18	6,604,558	Aug. 12, 2003	Sauer
	A19	6,634,598	Oct. 21, 2003	Susko
	A20	6,729,359	May 4, 2004	Jones
	A21	6,739,359	May 25, 2004	Jones, et al.
	A22	6,739,400	May 25, 2004	Lessi, et al.
	A23	5,220,799	June 22, 1993	Lievens et al.
	A24	6,112,822	Sept. 5, 2000	Robin et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
		Country ³ Number ⁴ Kind Code ⁵ (if known)			
	B1				

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Sheet	2	of	6	Application Number	10/726,737
				Filing Date	
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				Examiner Name	
				Attorney Docket Number	

	B2			
	B3			
	B4			
	B5			

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	WILLIAM M. CAVAGE, Federal Aviation Administration, Atlantic City, NJ, and TIMOTHY BOWMAN, Boeing Phantom Works, St. Louis, MO, <u>Modeling In-flight Inert Gas Distribution in a 747 Center Wing Fuel Tank</u> , AIAAFDC32143b.pdf, 598 Kb, 13 pages, FAA White Papers	
	C2	WILLIAM M. CAVAGE, Fire Safety Branch, Federal Aviation Administration, William J. Hughes Technical Center, Atlantic City International Airport, NJ, <u>Modeling of In-flight Fuel Tank Inerting for FAA OBIGGS Research</u> , 255 Kb, 11 pages, FAA White Papers	
	C3	WILLIAM M. CAVAGE and ROBERT MORRISON, Fire Safety Branch, Federal Aviation Administration, William J. Hughes Technical Center, Atlantic City Int'l Airport, NJ, <u>Development and Testing of the FAA Simplified Fuel Tank Inerting System</u> , Cavage-FAAOBIGGSDevelop&Test, 530 Kb, 11 pages, FAA White Papers	
	C4	STEVEN M. SUMMER, <u>Limiting Oxygen Concentration Required to Inert Jet Fuel Vapors Existing at Reduced Fuel Tank Pressures</u> , August 2003, DOT/FAA/AR-TN02/79, 1.8 Mb, 32 pages, FAA White Papers	
	C5	WILLIAM M. CAVAGE, Fire Safety Branch, Federal Aviation Administration, AAR-422, Building 204, William J. Hughes Technical Center, Atlantic City International Airport, NJ, <u>Ground-Based Inerting of Commercial Transport Aircraft</u>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/726,737
				Filing Date	
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				Examiner Name	
Sheet	3	of	6	Attorney Docket Number	

		Fuel Tanks, RTO_AVT-GBI Paper 761 Kb, 20 pages, FAA White Papers	
	C6	WILLIAM M. CAVAGE, Fire Safety Section, Federal Aviation Administration, Atlantic City International Airport, NJ, <u>Modeling Inert Gas Distribution in Commercial Transport Aircraft Fuel Tanks</u> , AIAA Paper 2002-3032, Report 1300, 600 Kb, 8 pages, FAA White Papers	
	C7	CHARLES C. GRAVES and DONALD W. BAHR, FAA-Propulsion Chemistry Division, <u>Basic Considerations in the Combustion of Hydrocarbon Fuels with Air</u> , NACA -1300, 24.04 Mb 26, 267 pages, FAA White Papers	
	C8	WILLIAM M. CAVAGE, FAA, AAR-422, Fire Safety R&D, Copyright @ 2001 Society of Automotive Engineers, Inc., <u>Ground-Based Inerting of a Boeing 737 Center Wing Fuel Tank</u> , SAE-GBI, 281 Kb, 8 pages, FAA White Papers	
	C9	MICHAEL BURNS, WILLIAM M. CAVAGE, Federal Aviation Administration, William J. Hughes Technical Center, Airport and Aircraft Safety, Research And Development Division, Atlantic City Int'l Airport, NJ 08405, <u>Ground and Flight Testing of a Boeing 737 Center Wing Fuel Tank Inerted With Nitrogen-Enriched Air</u> DOT/FAA/AR-01/63, 4.91 Mb, 34 pages, FAA White Papers	
	C10	SAMUEL V. ZINN, JR., Nat'l Aviation Facilities Experimental Center, Atlantic City, NJ, <u>Inerted Fuel Tank Oxygen Concentration Requirements</u> , August 1971, FAA-RD-71-42 1.58 Mb, 23 pages, FAA White Papers	
	C11	THOMAS L. REYNOLDS, ET AL., Boeing Commercial Airplanes Group, Seattle, Wash., <u>Onboard Inert Gas Generation System/Onboard Oxygen Gas Generation System</u> , May 2001, (OBIGGS/OBOGS) Study NASA/CR-2001-210903 7.75 Mb, 179 pages, FAA White Papers	

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Sheet	4	of	6	Attorney Docket Number	

C12	MICHAEL BURNS and WILLIAM M. CAVAGE, Federal Aviation Administration, FAA William J. Hughes Technical Center, Airport and Aircraft Safety, Research and Development Division, Atlantic City Int'l. Airport, NJ, <u>Inerting of a Vented Aircraft Fuel Tank Test Article With Nitrogen Enriched Air</u> , April 2001, 2.28 Mb., 29 pages, FAA White Papers	
C13	STEVEN M. SUMMER, <u>Cold Ambient Temperature Effects on Heated Fuel Tank Vapor Concentrations</u> , July 2000, DOT/FAA/AR-TN99-93, 395 Kb, 13 pages, FAA White Papers	
C14	WILLIAM M. CAVAGE, Airport and Aircraft Safety, Research and Development Division, FAA William J. Hughes Technical Center, Atlantic City International Airport, NJ, May 2000, <u>The Cost of Implementing Ground-Based Fuel Tank Inerting in the Commercial Fleet</u> , DOT/FAA/AR-00/19, 941 Kb, 60 pages, FAA White Papers	
C15	<u>A Benefit Analysis for Nitrogen Inerting of Aircraft Fuel Tanks Against Ground Fire Explosion</u> , December 1999, Final Report, DOT/FAA/AR-99/73 Office of Aviation Research, NTIS, Springfield, VA, 617 Kb, 117 pages	
C16	STEVEB M. SUMMERS, <u>Mass Loading Effects on Fuel Vapor Concentrations in an Aircraft Fuel Tank Ullage</u> , September 1999, DOT/FAA/AR-TN99/65, 934 Kb, 14 pages	
C17	<u>A Review of the Flammability Hazard of Jet A Fuel Vapor in Civil Transport Aircraft Tanks</u> , June 1998, Final Report, DOT/FAA/AR-98/26, 1.04 Mb, 62 pages, FAA White Papers	
C18	Aircraft Accident Report, <u>In-Flight Breakup Over the Atlantic Ocean Trans World Airlines Flight 800</u> , National Transportation Safety Board, NTSB/AAR-00/03 7.63	

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Sheet	5	of	6	Attorney Docket Number	

		Mb, 341 pages	
	C19	DANIEL R. BOWER, Ph.D., <u>Flight Test Group Chairman's Factual Report of Investigation</u> , July 17, 1996, NTSB/SA-516, 96 Kb, 24 pages, FAA White Papers	
	C20	IVOR THOMAS, <u>FAA R&D Efforts on Flammability</u> , August 14, 2002, 2.3 Mb, 27 pages, FAA White Papers	
	C21	ALAN LEVIN, <u>Lower cost, higher risk helped alter FAA stance</u> , (McLean, VA: February 17, 2004. Pg. A.03), Copyright 2004 Gannett Company, Inc., USA Today	
	C22	ALAN LEVIN, <u>FAA Suggests Airbus Modify Jets to Reduce Risks; Fuel Tanks Scrutinized</u> , (McLean VA: November 19, 2003 Pg. B.03), FINAL EDITION, Copyright 2003 Gannett Company, Inc., USA Today,	
	C23	ALAN LEVIN, <u>Jets Must Be Altered, Device Created to Stop Fuel-Tank Explosions</u> , (McLean VA: February 17, 2004, Pg. A.01), FINAL EDITION, Copyright 2004 Gannett Company, Inc., USA Today	
	C24	ALAN LEVIN, <u>FAA Device Could Guard Against Terrorism; Experts: Fuel-tank System Could Help Jets Survive Missile Attack</u> " (McLean Va: February 18, 2004, Pg. A.03) FINAL EDITION, Copyright 2003 Gannett Company, Inc., USA Today	
	C25	DAVID EVANS, <u>Safety v. Entertainment</u> , (February 1, 2003) Avionics Magazine	
	C26	PEG HASHEM, <u>Hamilton Sundstrand and Two Units of Cobham to Supply Nitrogen Generation System for Boeing 7E7</u> , Hamilton Sundstrand, A United Technologies Company, Windsor Locks, Conn., Corporate Press Release (July 1, 2004)	
	C27	ANDREW J. PEACOCK, <u>Oxygen at High Altitude</u> , BMJ 1998; 317:1063-1066 (October 17)	

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				Art Unit	
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Sheet	6	of	6	Attorney Docket Number	

	C28	PETER W. HOCHACHKA, <u>Mechanism and Evolution of Hypoxia-Tolerance in Humans</u> , The Journal of Experimental Biology 201, 1243-1254 (1998)	
	C29	J. HARDY TYSON and JOHN F. BARNES, <u>The Effectiveness Of Ullage Nitrogen-Inerting Systems Against 30-mm High-Explosive Incendiary Projectiles</u> , Naval Weapons Center, China Lake, CA, Report JTCG/AS-90-T-004, (May 1991)	

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